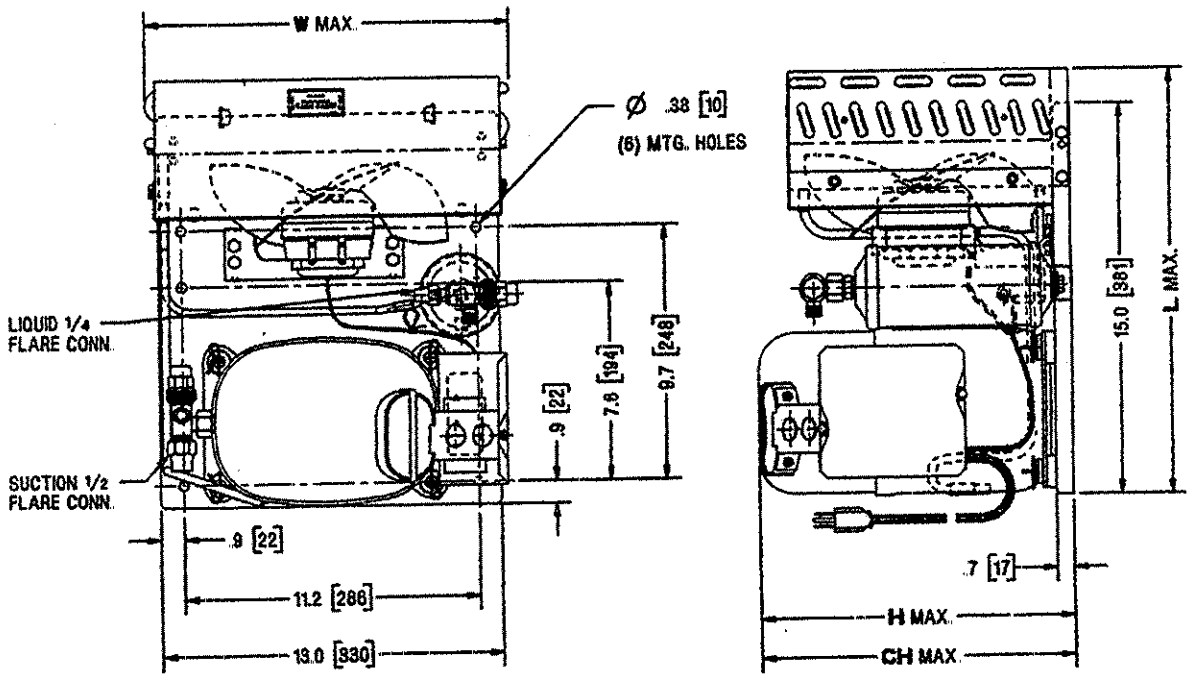
AJA2425AXAXB

Date: April 1, 1997

Revision 2003

# TECUMSEH HERMETIC CONDENSING UNITS

## MODEL AJA2425AXAXB (B/M 2A275-9) R-12 1/2 HP AIR COOLED




NOTE:
DIMENSIONING = INCHES [MILLIMETERS]

| Model | Dimensions | | | | *Line Connection | | Pumpdown 90 ◦ F 90% Full | Air CFM | Oil Chg oz. | Gr. Wt. Lbs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | L | W | H | CH | Suct. | Liq. | | | | |
| AJA2425AXAXB | 16.4 | 14.1 | 11.6 | 11.6 | 1/2 F | 1/4 F | 3.8# | 350 | 22 AB | 75 |

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 12 psig nitrogen - **MUST BE EVACUATED 60 HZ PERFORMANCE**

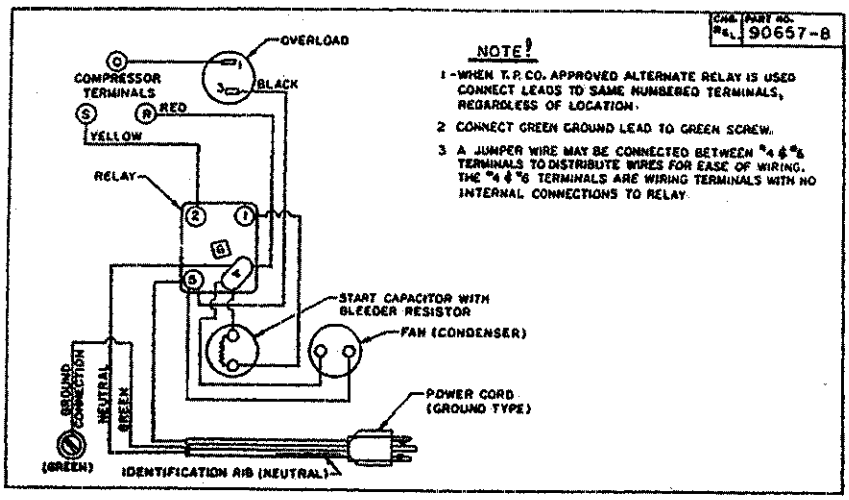
| Approved Evap. Range | | Ambient | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 90◦ F | | | 100◦ F | | | 110◦ F | | |
| ◦F | PSIG | BTUH | Watts | Head | BTUH | Watts | Head | BTUH | Watts | Head |
| -40 | *11.0" | 1175 | 490 | 116 | 1000 | 465 | 130 | 825 | 440 | 142 |
| -30 | *5.5" | 1625 | 550 | 123 | 1500 | 540 | 137 | 1340 | 530 | 153 |
| -20 | 0.6 | 2160 | 620 | 132 | 2000 | 620 | 146 | 1890 | 620 | 162 |
| -10 | 4.5 | 2780 | 700 | 140 | 2600 | 710 | 155 | 2425 | 720 | 170 |
| 0 | 9.15 | 3400 | 790 | 150 | 3230 | 805 | 165 | 3050 | 820 | 180 |
| +10 | 14.6 | 4160 | 900 | 162 | 3925 | 915 | 178 | 3725 | 930 | 192 |

* Inches of mercury below one atmosphere

Date: January 2003
Unit Catalog Update

| **SPECIFICATIONS** | **AJA2425AXAXB** |
|---|---|
| Nominal Voltage | 115-1 |
| Unit B/M | 2A275-9 |
| Voltage Range | 126.5 to 103.5 |
| Min. Circuit Ampacity | 10.4 |
| Max. Fuse Size (Amps) | 15 |
| **Compressor Model** | **AJA2425AXA** |
| Comp. Bill of Material | AJ601AT-336 |
| RLA/LRA | 7.9/57.0 |
| ESP Overload | P83960 |
| ESP Relay | P82959 |
| Electrical Box | AE1169-005 |
| Start Capacitor | 85PS165C27 |
| Rating | 270-324MFD/165V |
| Fan Motor (OEM) | 810M009B48 |

| | |
|---|---|
| Fan RLA | .53 RLA |
| Replacement Motor | TFM91 |
| Fan Motor Bracket | 57153 |
| Fan Blade | 51564-1 |
| Shroud | 70766-1 |
| Condenser | 50803-1 |
| Receiver Tank | 51080-1 |
| Receiver Tank Valve | 31584-1 (1/4" F) RL |
| Suction Rotolock | 31547-7 (1/2" F) |
| O' Ring Gasket | 30334 |
| Optional Outdoor Enclosure | TP-181D |
| Crankcase Heater (If Inc) | NA |
| Unit Drawing | SU1758-38 |
| Schematic or Elect. Drawing | 90657-8 |




Some parts listed may be optional or listed as replacement parts.